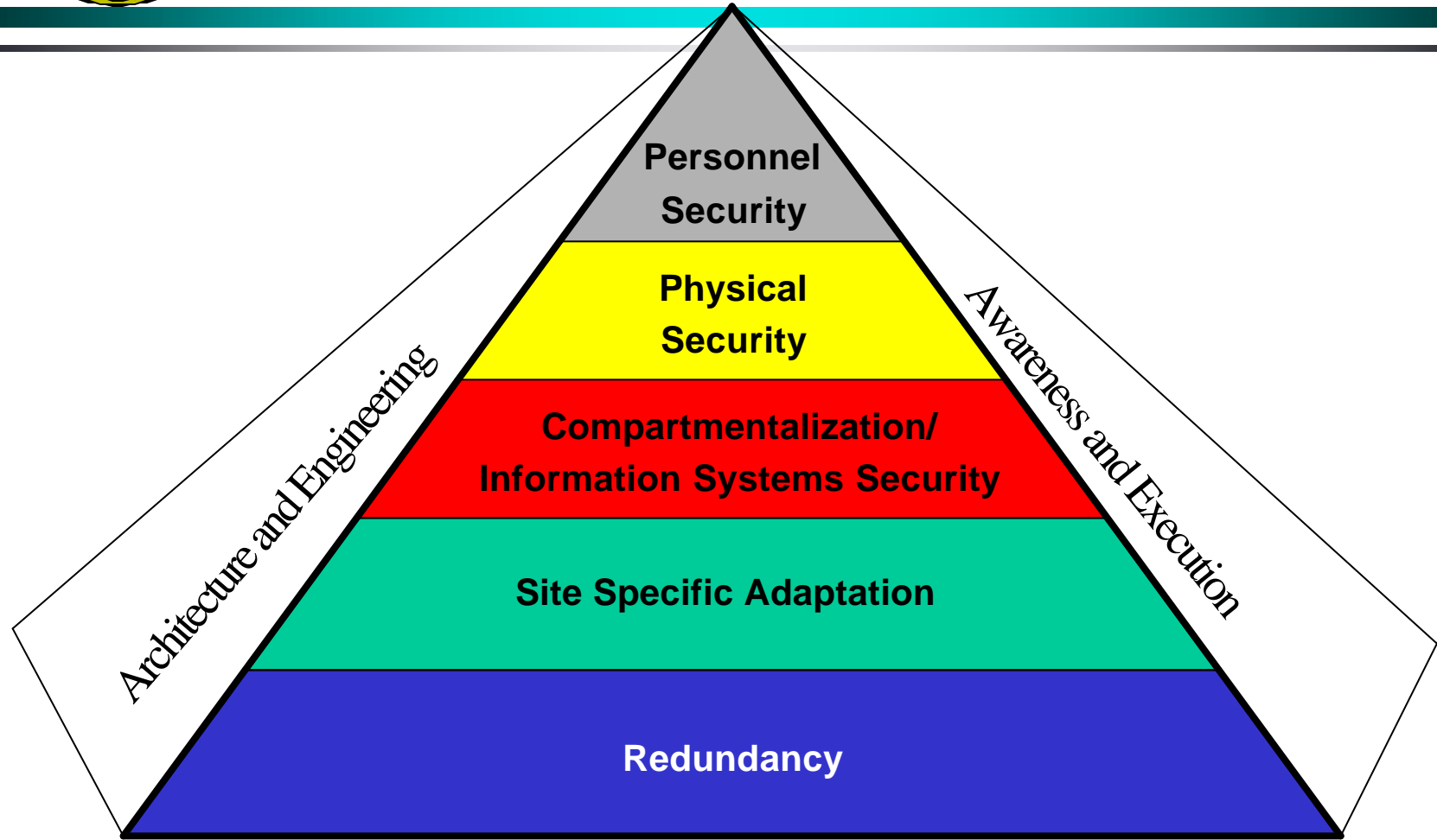




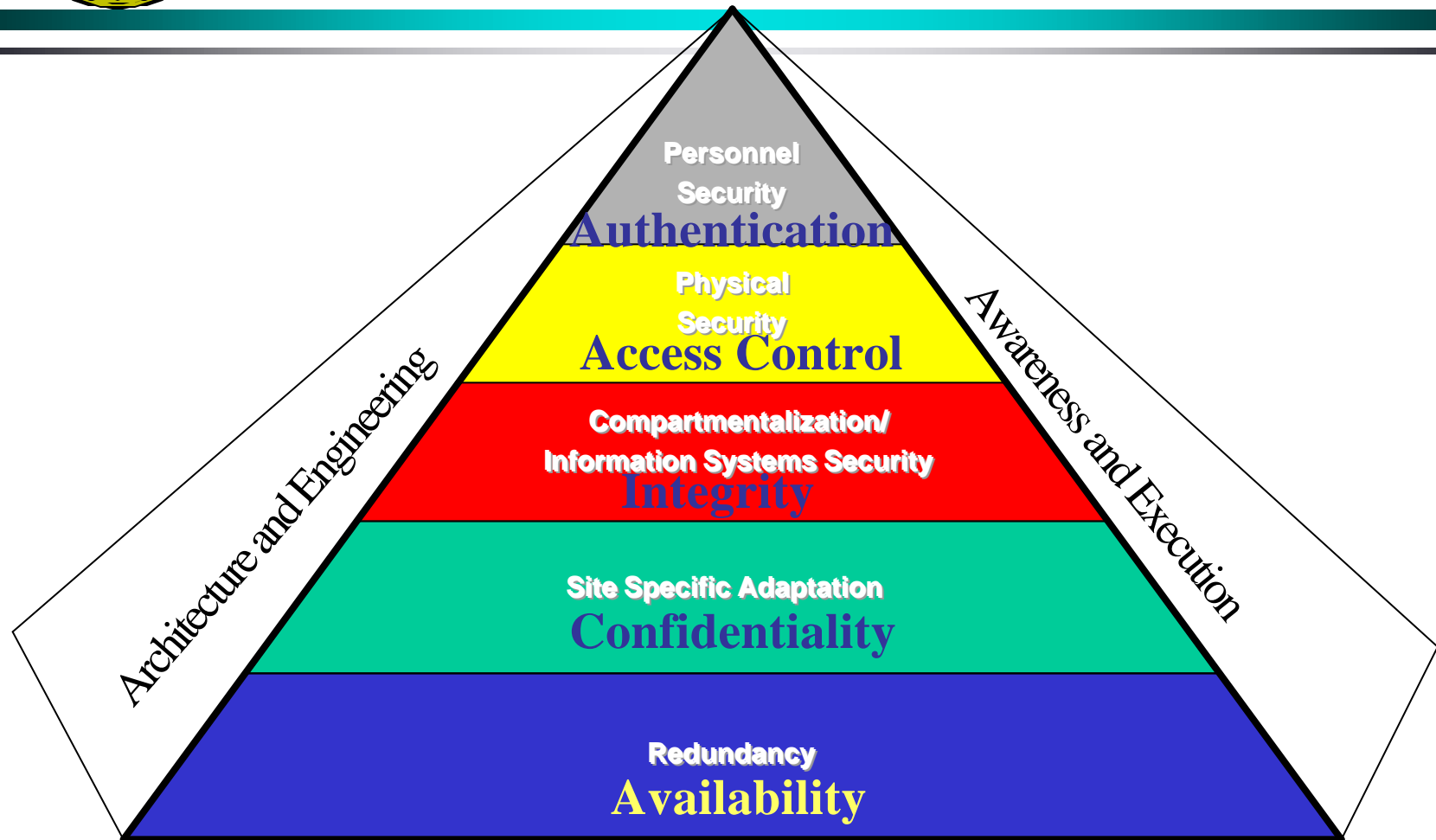
FAA's 5 Layers of System Protection

A Structural Perspective





FAA's 5 Layers of System Protection A Cyber Perspective





Key Definitions

- **Access Control** is the security service that prevents the unauthorized access to resources including the prevention of their use in an unauthorized manner.
- **Authentication** is the security service of verifying the claimed identity of a principal.
- **Availability** is the property that ensures that a resource is accessible and usable upon demand by an authorized principal.
- **Confidentiality** is the property that ensures that “sensitive information” is not made available or disclosed to unauthorized parties.
- **Integrity** is the property that ensures that information/data is not altered undetected.
- **Non-repudiation** is the property that enables the receiver or sender of message to prove that the sender did in fact send the message even though the sender might later desire to deny every having sent it and that the receiver did receive it even though the receiver might also want to deny having received it at a later date.